

[Review Form3](#)

Book Name:	Engineering Research: Perspectives on Recent Advances
Manuscript Number:	Ms_BPR_4026
Title of the Manuscript:	Integration of CAD and FEA for Structural Optimization of a Flywheel
Type of the Article	Book chapter

PART 1: Comments

	Reviewer's comment	Author's Feedback <i>(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)</i>
Please write a few sentences regarding the importance of this manuscript for the scientific community. A minimum of 3-4 sentences may be required for this part.	Yes. It addresses the issues of optimizing the flywheel by integrating CAD & FEM. The authors have tried multiple attempts to arrive the minimum mass of the flywheel by satisfying other constraints. It will save the cost of manufacture resulting in more profit for the industry. The paper is suitable to the scope of the journal and I like this manuscript for consideration of publication.	
Is the title of the article suitable? (If not please suggest an alternative title)	yes	
Is the abstract of the article comprehensive? Do you suggest the addition (or deletion) of some points in this section? Please write your suggestions here.	somewhat ok	
Is the manuscript scientifically, correct? Please write here.	somewhat ok	
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.	I feel that the references are not sufficient and also not recent as well. So in my opinion, the authors can add recent and latest research papers in the reference section. The paper seems to be technically sound and scientifically robust.	
Is the language/English quality of the article suitable for scholarly communications?	sufficient	
<u>Optional/General</u> comments	English quality can be improved.	
	<ol style="list-style-type: none"> 1. Contents in the Abstract seems to be very simple. Some important aspects can be added. 2. A detailed discussions on results and discussions may be included. 3. The authors claim that they have reduced mass. The equation for calculation of mass is not clear. Explanation regarding mass calculation in needed. 4. in references latest research papers may be included. Most of them are old papers. Reference number 10 does not have year of publication. 5. The literature review may be elaborate by adding more recent research papers related to flywheel design. 6. Conclusion topic may have detailed discussions including the purpose of the study, the target audience for whom this work is suitable like that. Also mention whether test run for the final optimized parameters were carried out or not. 7. Check English quality and spelling as it involves many technical terms related with machine design. 	

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PART 2:

	<u>Reviewer's comment</u>	<u>Author's comment (if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)</u>
<u>Are there ethical issues in this manuscript?</u>	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	

Reviewer Details:

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